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(54) Title: PROCESS FOR PREPARING STYRENES

(57) Abstract

Process for the preparation of styrene or substituted styrenes comprising the steps of: (a) subjecting the 1-phenyl ethanol or substituted 1-phenyl ethanol to a dehydration treatement in the presence of a suitable dehydration catalyst, (b) subjecting the resulting product stream to a separation treatment, thus obtaining a stream containing styrene or substituted styrene and a residual fraction containing heavy ends, and (c) converting at least part of these heavy ends to styrene or substituted styrenes by subjecting a stream containing these heavy ends to a cracking treatment in the presence of an acidic cracking catalyst. Process for converting bis(phenyl ethyl)ethers into styrene or substituted styrene, which process comprises contacting the bis(phenyl ethyl)ethers with a catalyst comprising amorphous silica-alumina at elevated temperature.